



TRANSMITTAL LETTER
(General - Patent Pending)

Docket No.
2002JP311

Re Application Of: Yasushi AKIYAMA et al.

Serial No.
10/519,242

Filing Date
December 22 2004

Examiner
WU, Ives J.

Group Art Unit
1713

Title: COMPOSITION FOR ANTIREFLECTIVE COATING AND METHOD FOR FORMING PATTERN

TO THE COMMISSIONER OF PATENTS AND TRADEMARKS:

Transmitted herewith is:

Information Disclosure Statement
Information Disclosure Citation
References (44 Documents)

in the above identified application.

- ☐ No additional fee is required.
- ☐ A check in the amount of _____ is attached.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 50-3309 as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of \$180.00
- ☐ Credit any overpayment.
- ☒ Charge any additional fee required.


Signature

Dated: September 14, 2005

SANGYA JAIN (Reg. No. 38,504)
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Customer No. 26,289

I certify that this document and fee is being deposited on 09/14/2005 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.


Signature of Person Mailing Correspondence

MARIA T. SANHECHEZ

Typed or Printed Name of Person Mailing Correspondence

CC:

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Yasushi AKIYAMA et al.

Docket No.

2002JP311

Serial No.

10/519,242

Filing Date

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WU, Ives J.

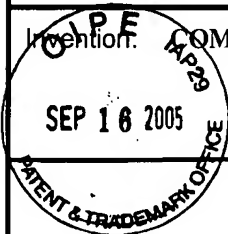
Group Art Unit

1713

Invention.

COMPOSITION FOR ANTIREFLECTIVE COATING AND METHOD FOR FORMING SAME

SEP 16 2005

I hereby certify that this Transmittal Letter - 1 Page (in duplicate)

(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The

Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on September 14, 2005

(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)


(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.



PATENT APPLICATION

CERTIFICATE OF MAILING/FACSIMILE TRANSMISSION (37 CFR 1.8)

I hereby certify that this paper (along with any paper referred to as being transmitted therewith) is (XXXX) being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box. 1450, Alexandria, Virginia 22313-1450 or () being transmitted by facsimile to the U.S. Patent and Trademark Office. (Fax No. 571 273-8300) (pages). This facsimile is being sent from (908) 429-3650.

Maria T. Sanchez
(Print Name)

Date: September 14, 2005

Maria T. Sanchez
(Signature)

Docket No. 2002JP311

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application

Yasushi AKIYAMA et al

Art Unit: 1713

Serial No. 10/519,242, filed December 22, 2004

Examiner: WU, Ives J.

For: **COMPOSITION FOR ANTIREFLECTIVE COATING AND METHOD FOR FORMING PATTERN**

**INFORMATION DISCLOSURE STATEMENT AFTER THE FIRST OFFICE ACTION
ON THE MERITS, BUT BEFORE A FINAL OFFICE ACTION OR A NOTICE OF
ALLOWANCE (37 CFR 1.97 (c))**

September 14, 2005

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

09/19/2005 EAYALEW1 00000064 503309 10519242

01 FC:1806 180.00 DA

Dear Sir:

In accordance with the duty of disclosure provisions of 37 CFR §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

1a. ☒ Form PTO-1449.

US 5,118,585	JP 08-305032
US 5,216,135	JP 09-050129
US 5,272,042	JP 09-090615
US 5,326,675	JP 09-236915
US 5,468,589	JP 2-19847
US 5,814,694	JP 2-209977
EP 0 366 590	JP 3-206458
EP 0 723 677	JP 4-211258
EP 1 026 208	JP 5-249682
WO 95/10798	JP 10-301268
JP 05-074700	JP 11-124531
JP 05-088598	JP 60-038821
JP 06-118630	JP 60-263141
JP 06-1148896	JP 62-062520
JP 07-234514	JP 62-062521
JP 07-234514	JP 2002-27660
JP 08-044066	

Ito, "Chemical Amplification in the Design of Dry Developing Resist Materials", Polymer and Engineering And Science Vol. 23, No. 18, pp. 1012 – pp. 1018 (1983)

1b. ☒ Copies of Information Disclosure Statement citations with the exception that copies of US Patents and US Patent Application Publications are not enclosed as the present application was filed after June 30, 2003 and the Patent Office has waived the requirement to enclose such documents under 37 C.F.R. § 1.98(a)(2)(i) pursuant to the Official Gazette announcement dated 05 August 2003. (If box not checked, see item 8a. below).

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- 1c. ☐ An English language copy of search report(s) from a counterpart foreign application or a PCT International Search Report - attached as annex to PCT/ISA/206 (If box checked, see item 8a. below).
- 1d. ☒ English language abstract (complete or relevant portion(s)) or English language equivalent attached to each non-English language publication (see item 9c or 9e).
- 1e. ☐ Explanations of Relevancy of References (ATTACHMENT 1(d), hereto) for providing a concise explanation of each non-English publication.
2. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(b) before the latter of three months after the U.S. patent application filing date or the first Office Action on the merits. Accordingly, no fee or §1.97(e) Statement is required.
3. ☒ This Information Disclosure Statement is filed under 37 CFR §1.97(c) after the first Office Action on the merits, but before a Final Office Action or a Notice of Allowance.
- 3a. ☐ The §1.97(e) Statement in Item 5 below is applicable. Accordingly, no fee is required.
- 3b. ☒ The \$180.00 fee set forth in 37 CFR §1.17(p) in accordance with 37 CFR §1.97(c) is to be charged to Deposit Account No. 50-3309.
4. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(d) after the Final Office Action or the Notice of Allowance, but before payment of the Issue Fee.
- ☐ The §1.97(e) Statement (Item 5 below) is applicable.
- A Petition to the Commissioner is hereby made under 37 CFR §1.97(d) to request consideration of this Information Disclosure Statement. The \$_____ fee set forth in 37 CFR §1.17(i) is to be charged to Deposit Account No. _____.
5. ☐ Statement Under §1.97(e) (*applicable if Item 3a or Item 4 is checked*)

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- 5a. ☐ In accordance with 37 CFR §1.97(e)(1), it is stated that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
- 5b. ☒ In accordance with 37 CFR §1.97(e)(2), it is stated that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known by any individual designated in §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.
6. ☐ This is a continuation/divisional/continuation-in-part application under 37 CFR §1.53(b). *(Check appropriate Items 6a and/or 6b and/or 6c).*
- 6a. ☐ Copies of the publications listed on Form PTO-1449 from prior Application Serial No., filed on, of which this application claims priority under 35 USC §120 have been omitted pursuant to 37 CFR §1.98(d) except those listed in 6b. below.
- 6b. ☐ Copies of the following publications listed on Form PTO-1449 which were not previously cited in prior Application Serial No. _____, filed on _____, of which this application claims priority under 35 USC §120, are provided herewith:
- 6c. ☐ Copies of the publications listed in Item 1c. above are listed on Form PTO-1449 but are not included as they were .
7. ☐ This is a continuation/divisional application under 37 CFR §1.53(d). *(Check either Item 7a or 7b.)*
- 7a. ☐ The Issue Fee has not been paid.
- 7b. ☐ A Petition to Withdraw from Issue under 37 CFR §1.313(b)(5) has been granted. A continuation application under 37 CFR §1.53(d) after payment of the Issue Fee is proper in accordance with 37 CFR §1.53(d)(1)(ii).
8. ☐ This is a Supplemental Information Disclosure Statement. *(Check either Item 8a or 8b.)*

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- 8a. ☐ This Supplemental Information Disclosure Statement under 37 CFR §1.97(f) supplements the Information Disclosure Statement filed on _____.
- 8b. ☐ This Supplemental Information Disclosure Statement is timely filed within one (1) month of the Notice under 37 CFR §1.97(i), mailed _____. (MPEP 609, Form ¶ 6.51, July 1997.)
9. ☒ In accordance with 37 CFR §1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:

(Check appropriate Items 9a, 9b, 9c and/or 9d)

- 9a. ☐ satisfied because all non-English language publications were cited on the enclosed English language copy of the PCT International Search Report or the search report from a counterpart foreign application indicating the degree of relevance found by the foreign office. (See U.S. Patent and Trademark Office's authorization in the Federal Register, Vol. 57, No. 12, January 17, 1992, at page 2031 (Reply to Comment 68)).
- 9b. ☐ set forth in the application.
- 9c. ☒ satisfied because an English language equivalent is attached to each non-English language publication as follows:

EP 03 666 590 is the English Language equivalent to JP 2-209977
US 5,188,585 is the English Language equivalent to JP 2-19847
US 5,216,135 is the English Language equivalent to JP 4-211258
US 5,272,042 is the English Language equivalent to JP 3-206458
US 5,468,589 is the English Language equivalent to JP 5-249682

- 9d. ☐ enclosed as Attachment 1(d), hereto.
- 9e. ☒ attached in abstracts in the English language as follows:

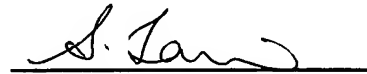
English Language abstract of JP 05-074700
English Language abstract of JP 05-088598
English Language abstract of JP 06-118630
English Language abstract of JP 06-148896
English Language abstract of JP 07-234514
English Language abstract of JP 08-044066
English Language abstract of JP 08-305032
English Language abstract of JP 09-050129
English Language abstract of JP 09-090615

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Filed: December 22, 2004

English Language abstract of JP 10-301268
English Language abstract of JP 11-124531
English Language abstract of JP 60-038821
English Language abstract of JP 60-263141
English Language abstract of JP 62-062520
English Language abstract of JP 62-062521
English Language abstract of JP 2002-27660

10. ☒ No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§1.97(g) and (h).
11. ☒ The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 CFR §1.17 for this Information Disclosure Statement and/or Petition to Deposit Account No. 50-3309.

Respectfully submitted,



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Customer No. 26,289

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

2002JP311

SERIAL NO.

10/519,242

Yasushi AKIYAMA et al.

FILING

December 22, 2004

GROUP

To Be Assigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,118,585	6/2/1992	Schwaim et al.			
	5,216,135	6/1/1993	Urano et al.			
	5,272,042	12/21/1993	Allen et al.			
	5,326,675	7/5/1994	Niki et al.			
	5,468,589	11/21/1995	Urano et al.			
	5,814,694	9/29/1998	Watanabe et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	EP 0 366 590	3/21/2001	EUROPE				
	EP 0 723 677	3/22/2000	EUROPE				
	EP 1 026 208	8/9/2000	EUROPE				
	WO 95/10798	4/20/1995	WIPO				
	JP 05-074700	3/26/1993	JAPAN				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		English Language abstract of JP 05-074700.
		English language abstract of JP 05-088598.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>	ATTY DOCKET NO. 2002JP311	SERIAL NO. 10/519,242
	Yasushi AKIYAMA et al.	
	FILING December 22, 2004	GROUP To Be Assigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
JP 08-305032	11/22/1996	JAPAN				
JP 09-050129	2/18/1997	JAPAN				
JP 09-090615	4/4/1997	JAPAN				
JP 09-236915	9/9/1997	JAPAN				
JP 2-19847	1/23/1990	JAPAN				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

			English Language abstract of JP 07-234514.
			English Language abstract of JP 08-044066.

EXAMINER	DATE CONSIDERED
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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>	ATTY DOCKET NO. 2002JP311	SERIAL NO. 10/519,242
	Yasushi AKIYAMA et al.	
	FILING December 22, 2004	GROUP To Be Assigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		JP 2002-27660	8/14/2002	JAPAN				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

			English Language abstract of JP 10-301268.
			English Language abstract of JP 11-124531.

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		Docket Number (Optional) 2002JP311		Application Number 10/519,242	
		Applicant(s) Yasushi AKIYAMA et al.			
		Filing Date December 22, 2004		Group Art Unit To Be Assigned	
*EXAMINER INITIAL		OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			
		English Language abstract of JP 60-038821.			
		English Language abstract of JP 60-263141.			
		English Language abstract of JP 62-062520.			
		English Language abstract of JP 62-062521.			
		English Language abstract of JP 2002-227660.			
		Ito et al., "Chemical Amplification in the Design of Dry Developing Resist Materials", Polymer Engineering And Science Vol. 23, No. 18, pp. 1012 - pp.1018 (1983).			
EXAMINER		DATE CONSIDERED			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					